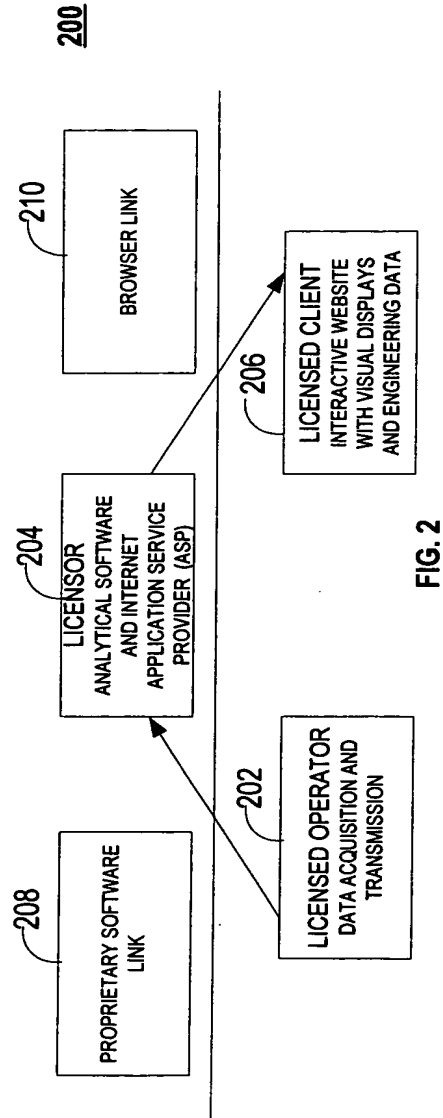
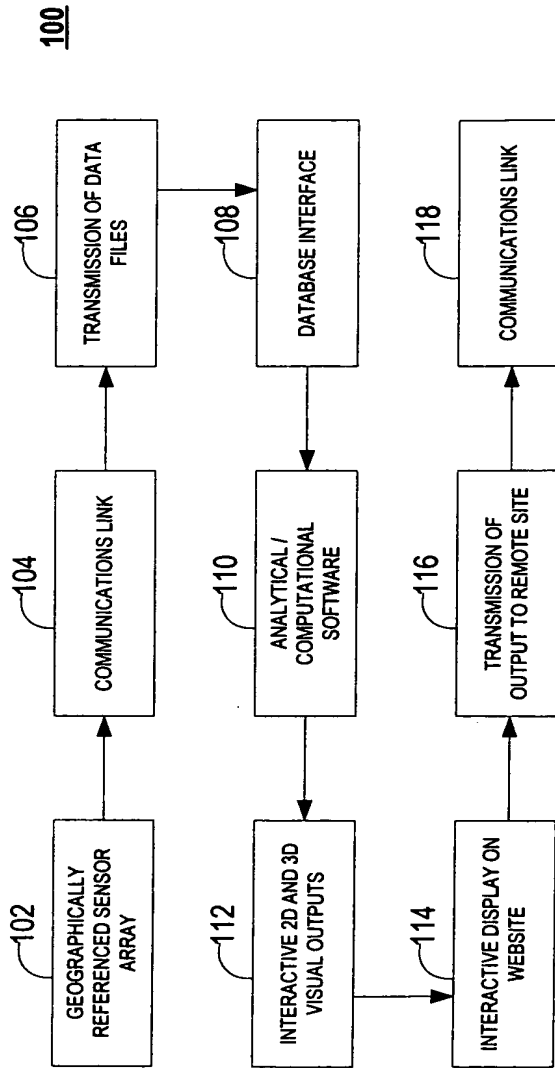


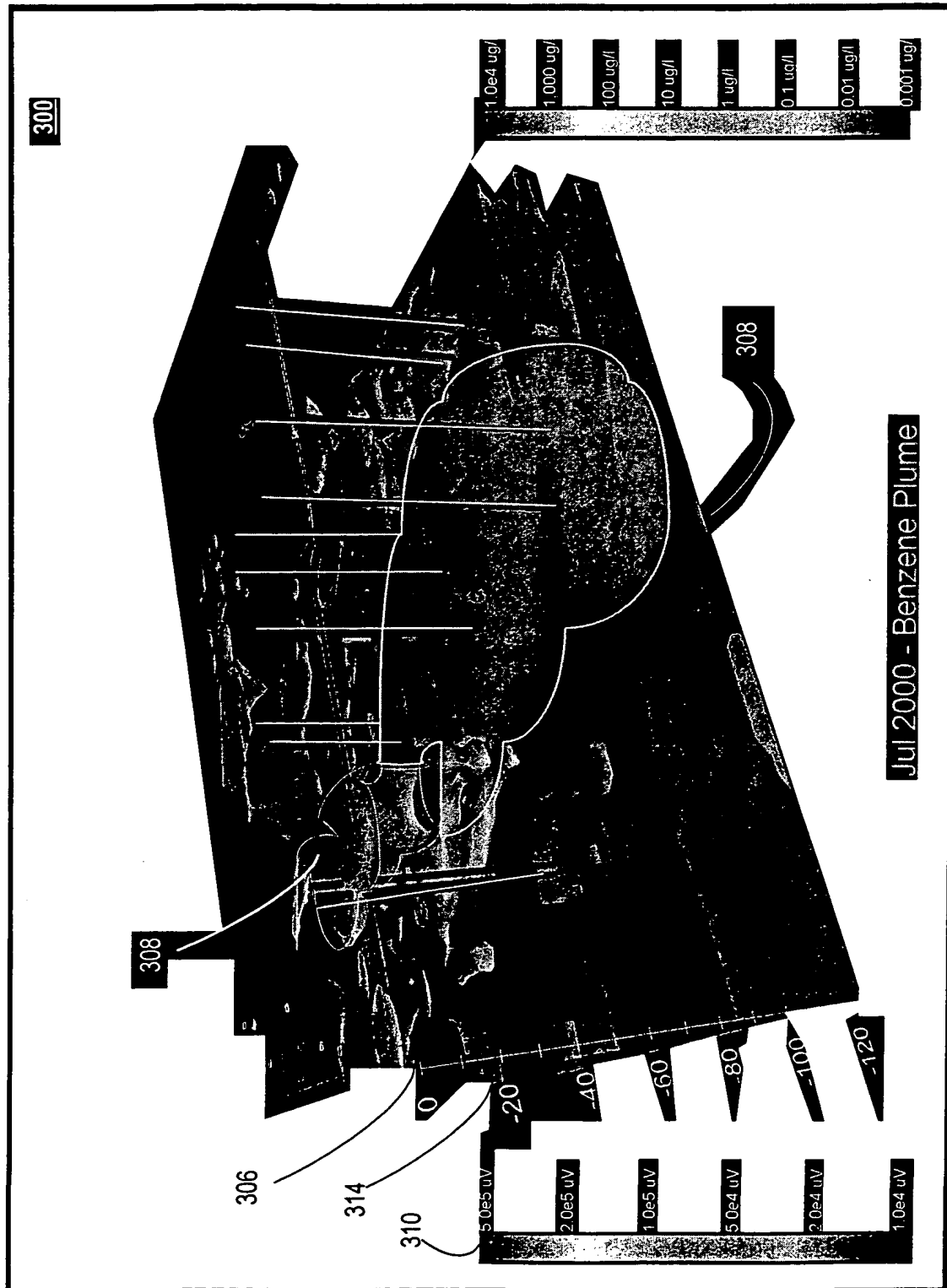


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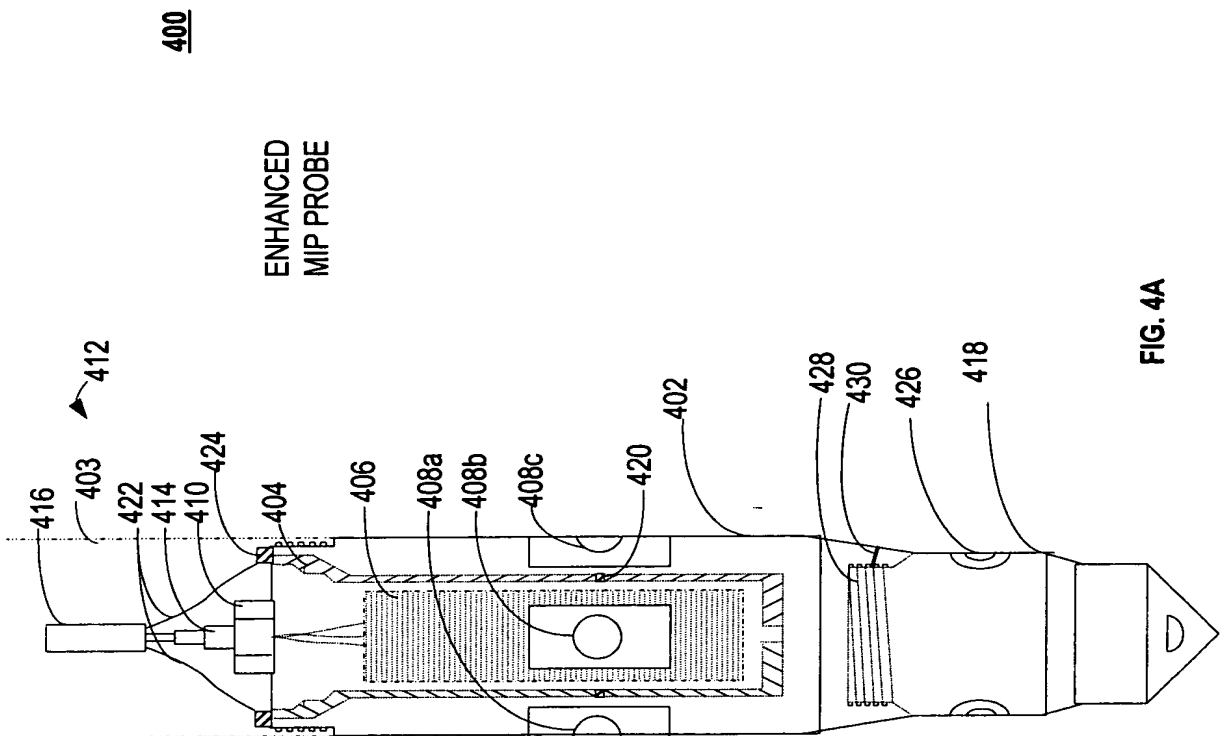
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-
- Technical drawing of a probe assembly, showing a side view and two cross-sectional views (Detail A and Detail B).
- Side View Dimensions:**
- Overall length: 18.00
 - Heater element with through conductor and ground conductor: 13.37
 - Sealed gas passages: 12.007
 - Cap screws perpendicular to probe surface equally spaced: 7.868
 - 4.5 extended: 6.236
 - 9.620
 - 4 (see note 5)
 - 1.458 Rdiam
 - .19
 - .83
 - 4
- Detail A Dimensions:**
- Overall diameter: $\varnothing 1.788$
 - Inner diameter: $\varnothing 1.675$
 - Outer diameter: $\varnothing 2.125$
 - Inner diameter: $\varnothing 1.352$
- Detail B Dimensions:**
- Overall diameter: $\varnothing 1.788$
 - Inner diameter: $\varnothing 1.675$
 - Outer diameter: $\varnothing 2.125$
 - Inner diameter: $\varnothing 1.352$
 - MS 16142 O-Ring part 7115-20 x 0.235 deep
 - .566
 - .01 R
 - .265 \pm .005
 - .487
 - .1
 - .003
 - .003 Drill 2 place
 - .848

FIG. 4B

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450

Notes:

1. 0.060 x 45 degree chamfer
2. Parker Hannifin Corporation O-ring groove
3. Broach 0.0625 wide groove as shown
4. Material-cold rolled steel
5. Hold these diameters concentric within 0.003 in.
6. Hold all concentric diameters within 0.025 in. unless noted otherwise

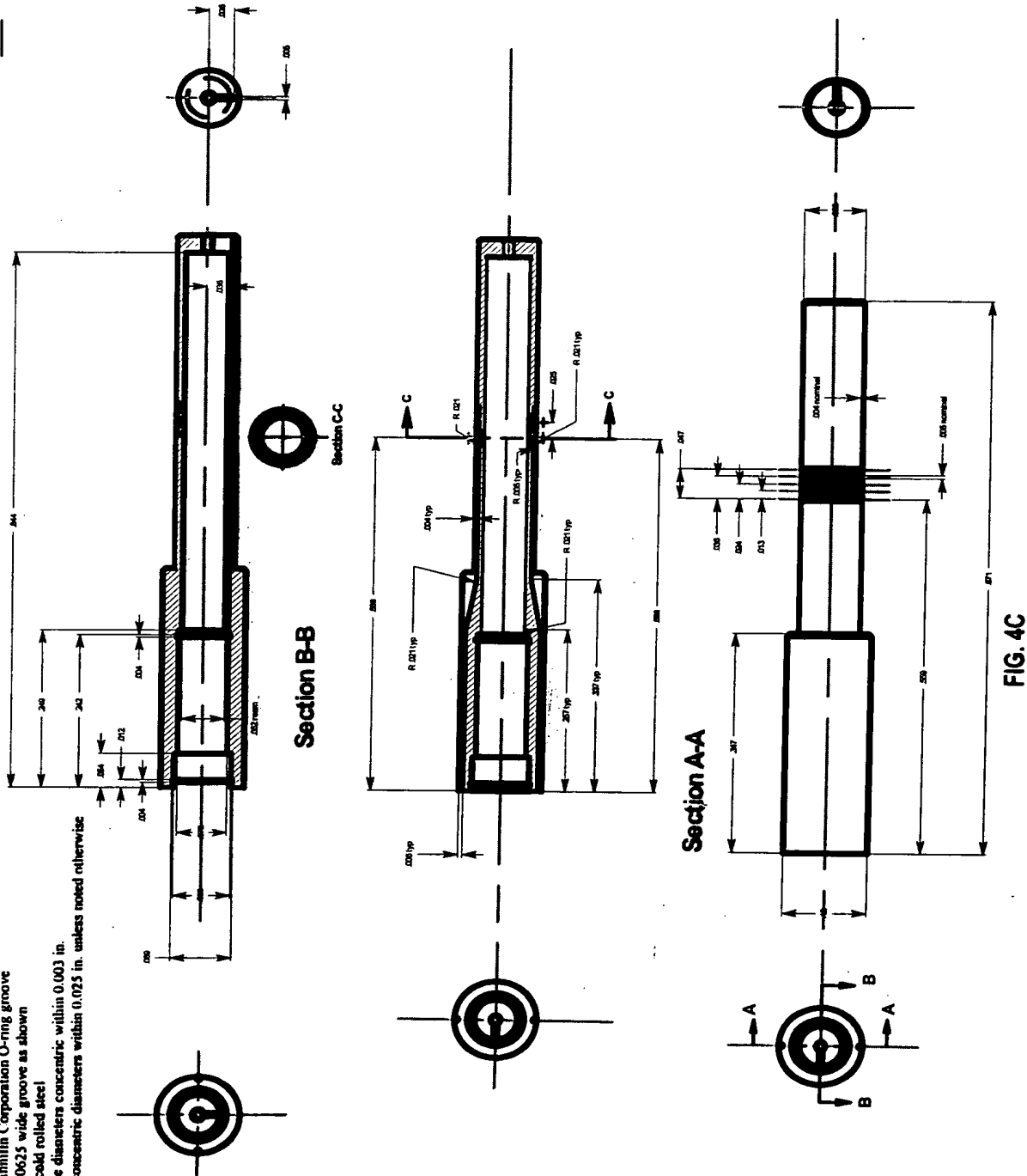


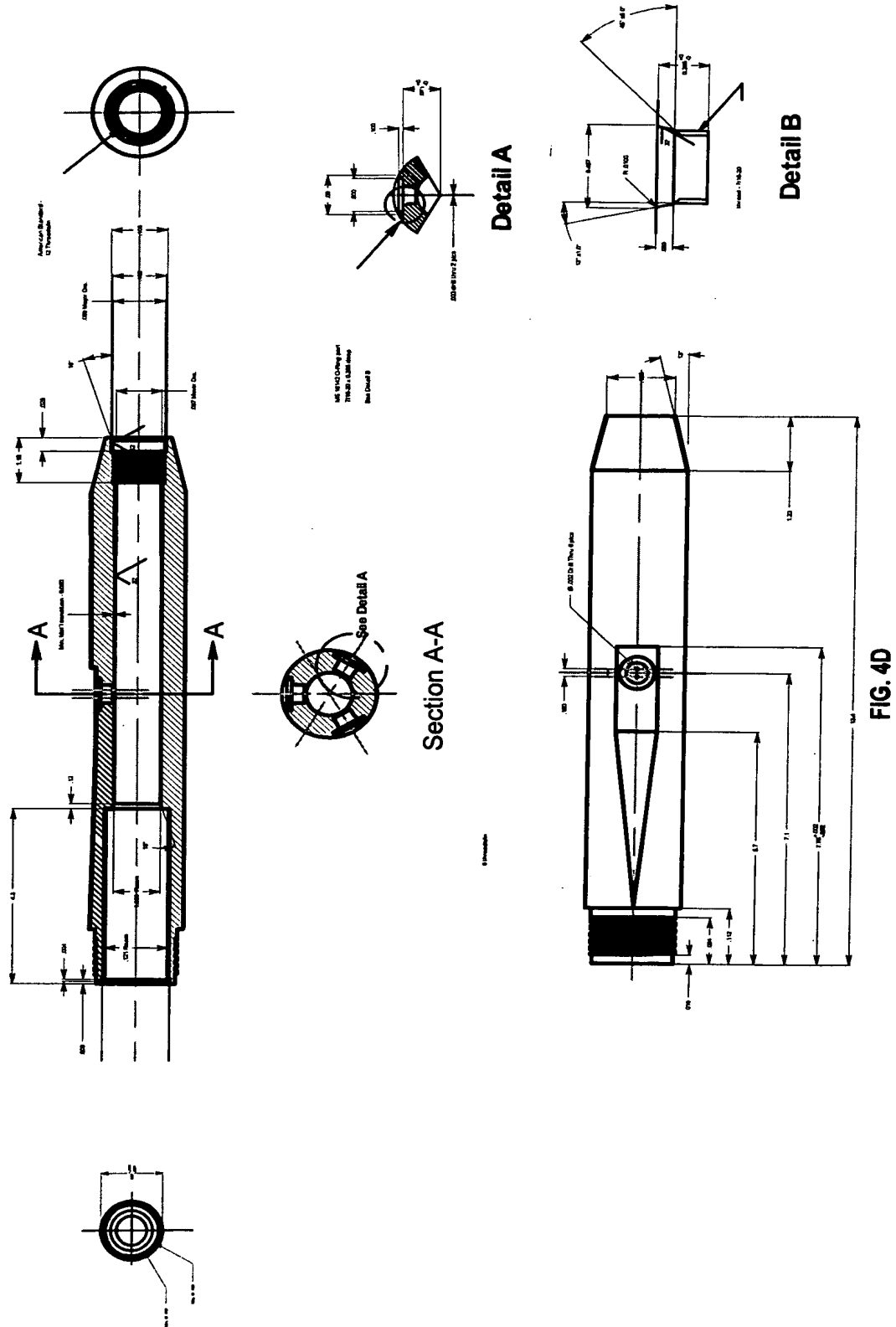
FIG. 4C

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460

Notes:

1. Match sample thread form
2. Smalley WH-150 snap ring
3. Material-cold rolled steel
4. Break all edges to 0.030 R min.
5. Hold these diameters concentric within 0.003 in.
6. Hold all concentric diameters within 0.025 in. unless noted otherwise



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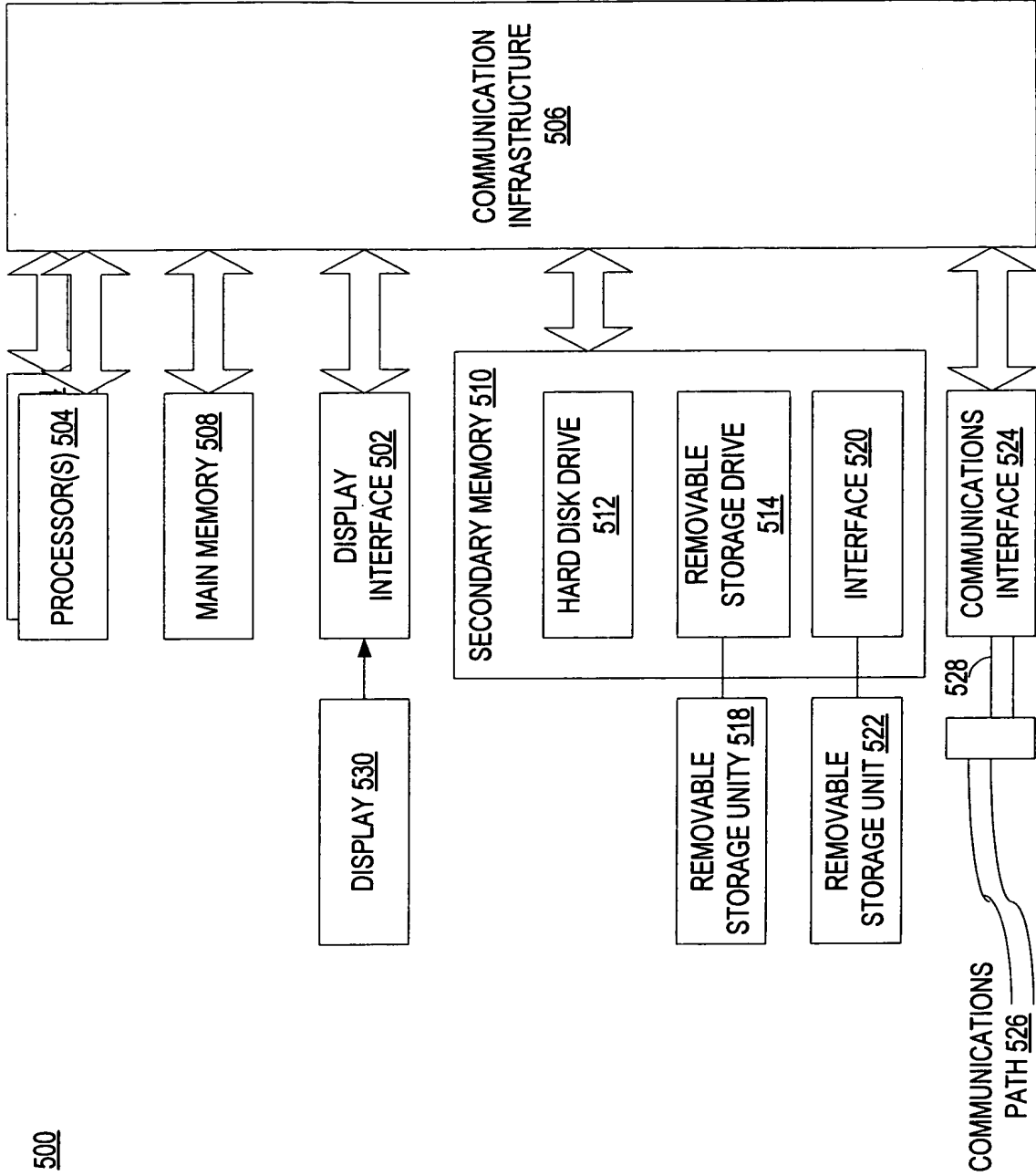


FIG. 5

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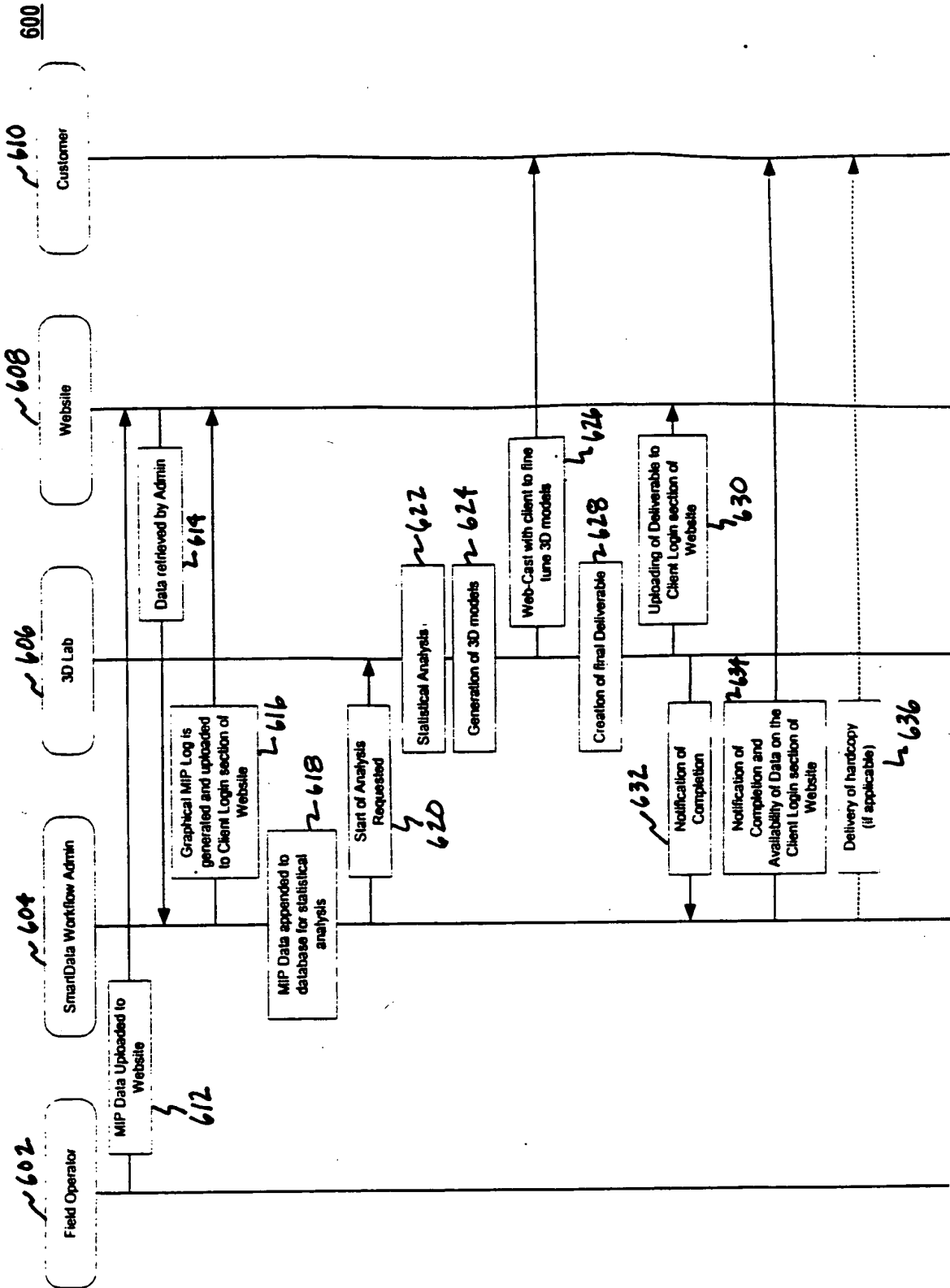


FIG. 6

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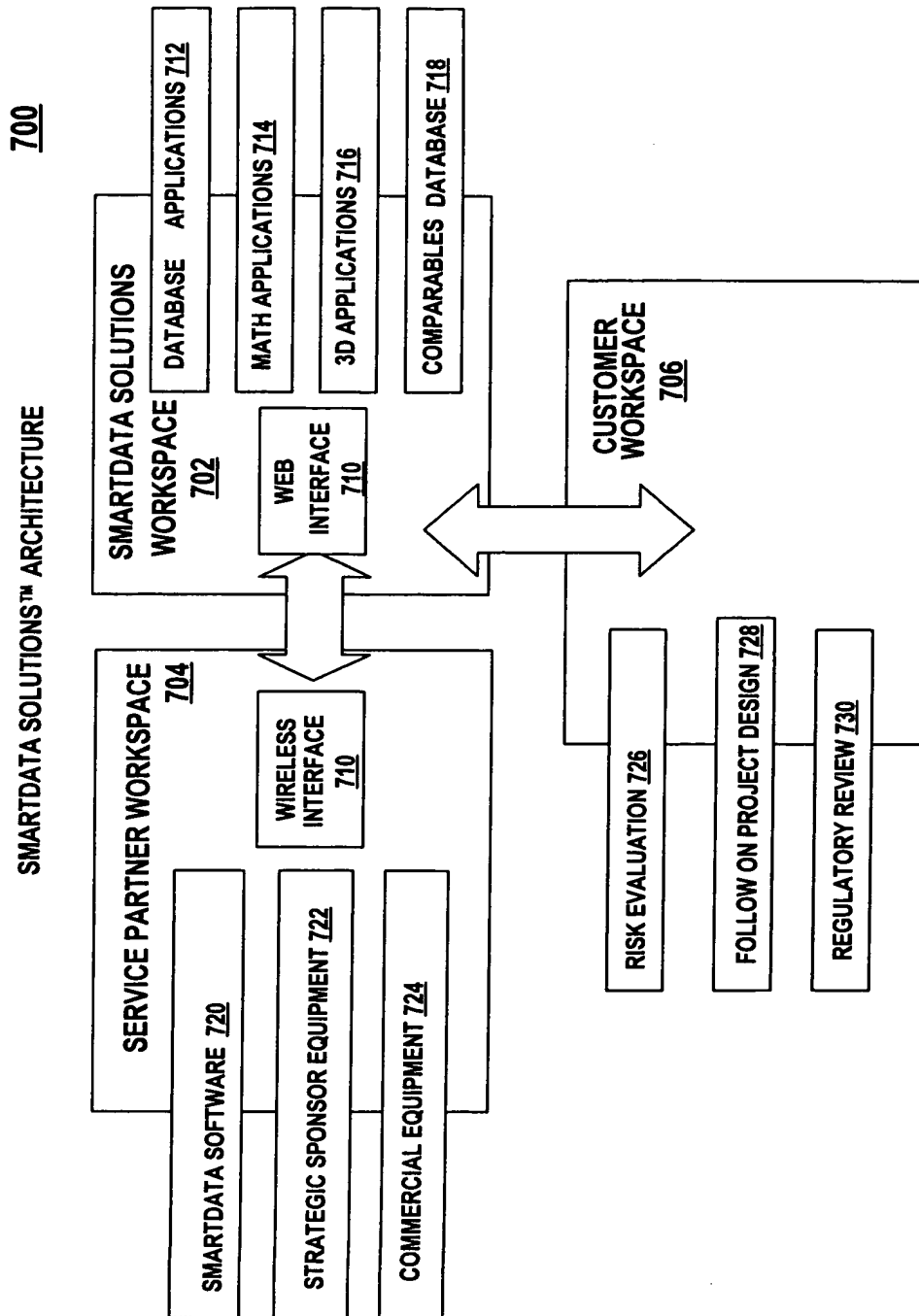


FIG. 7

800

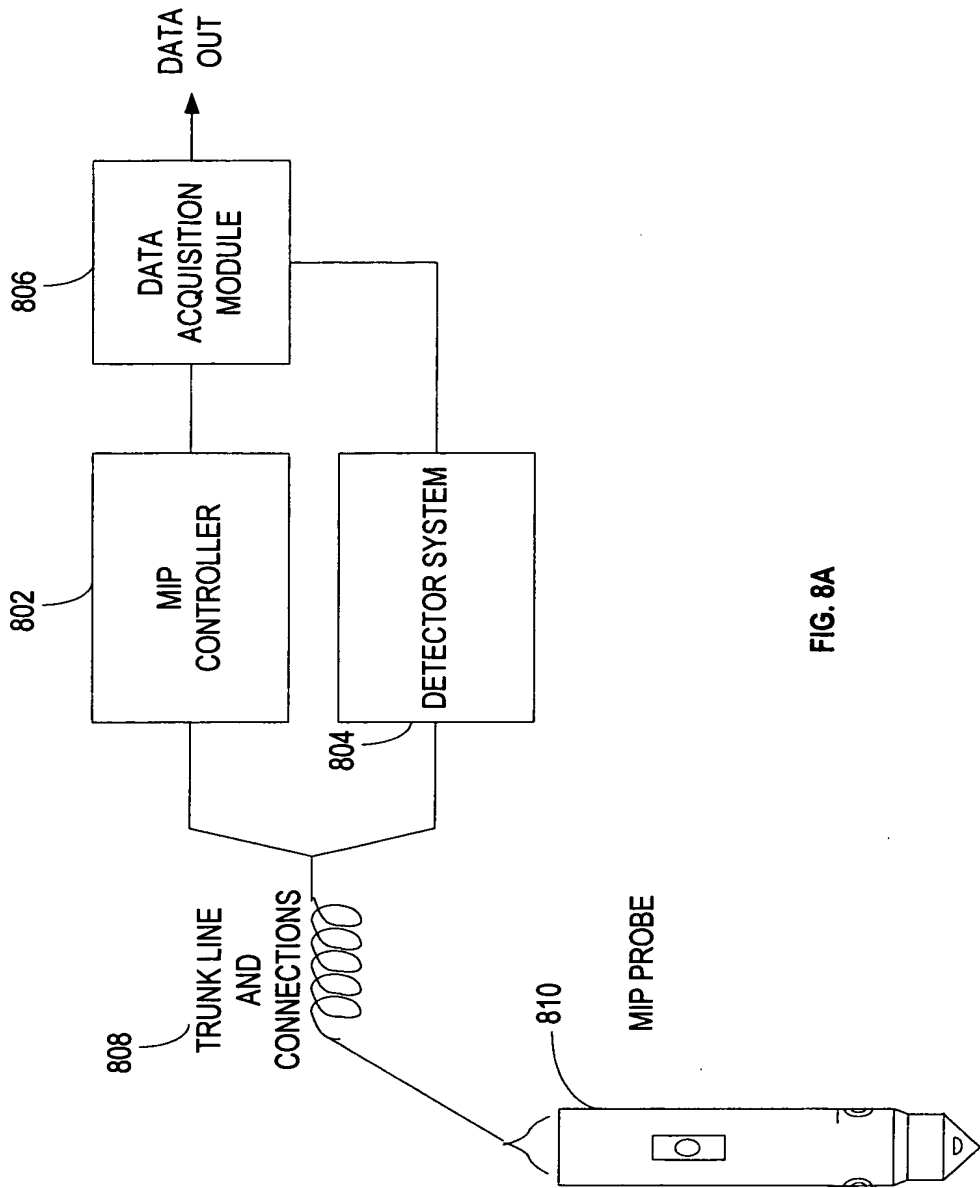
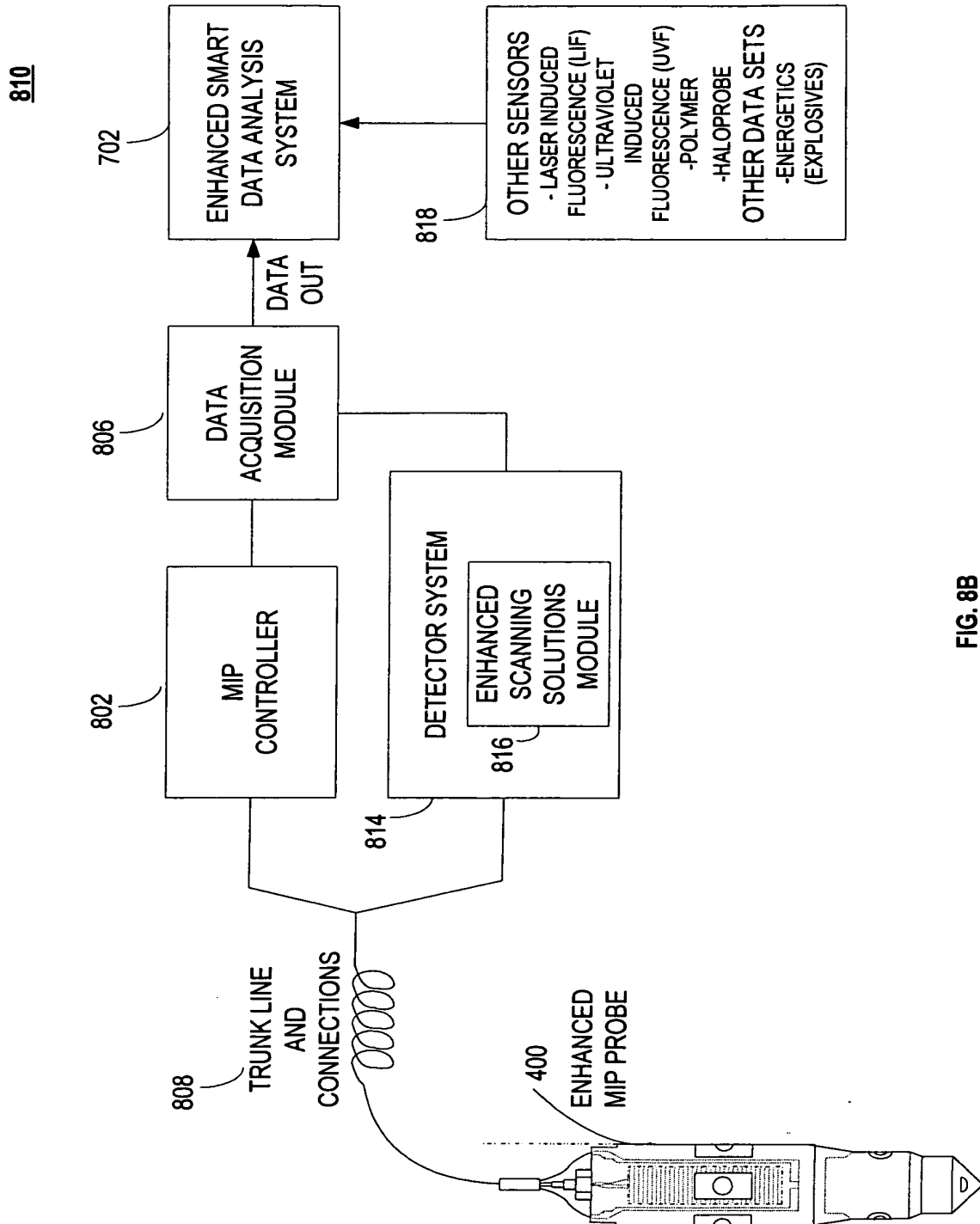
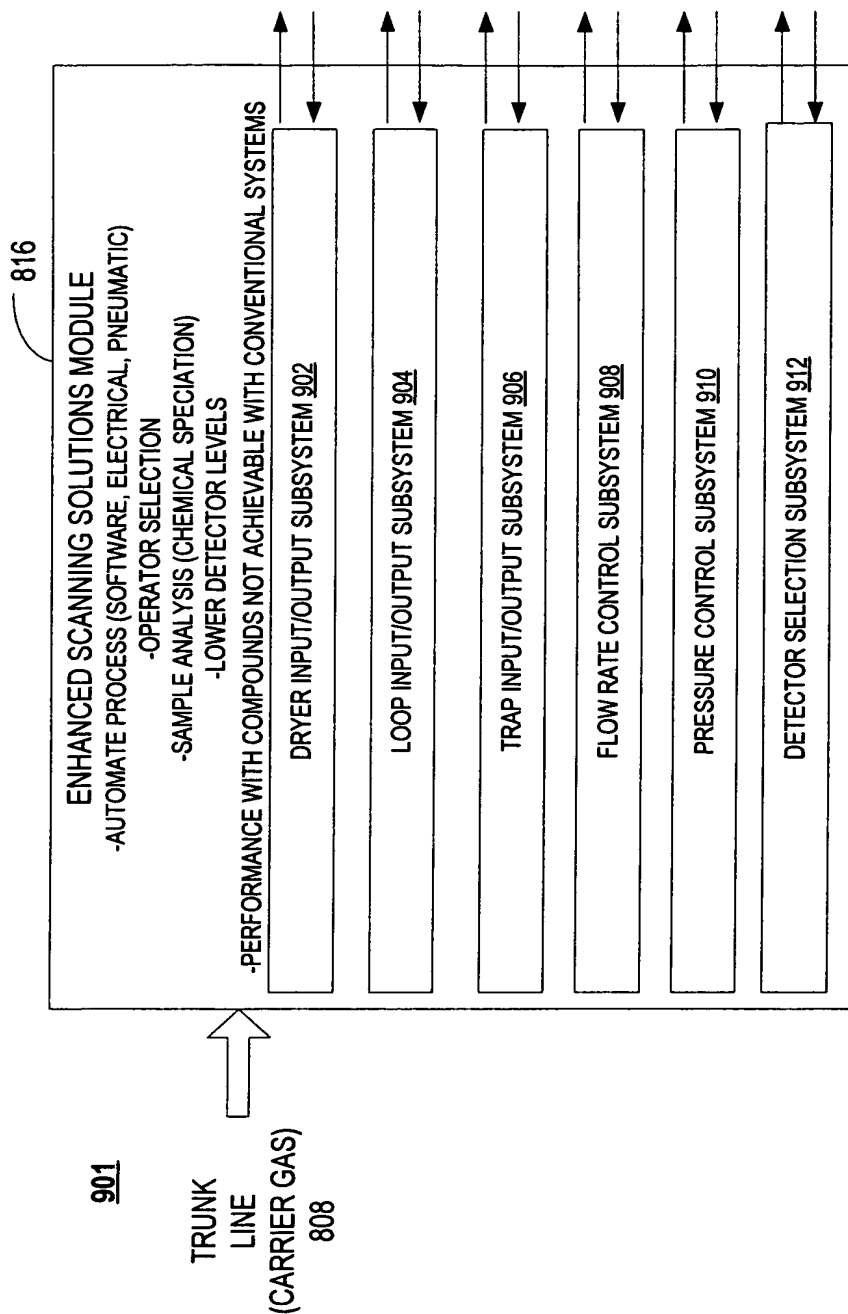
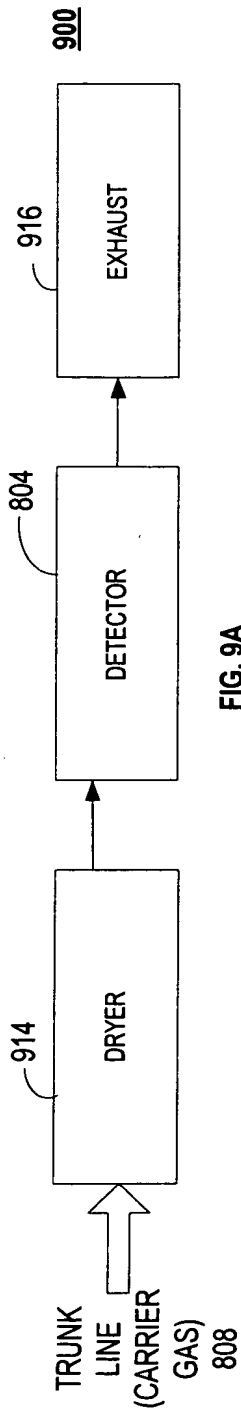


FIG. 8A

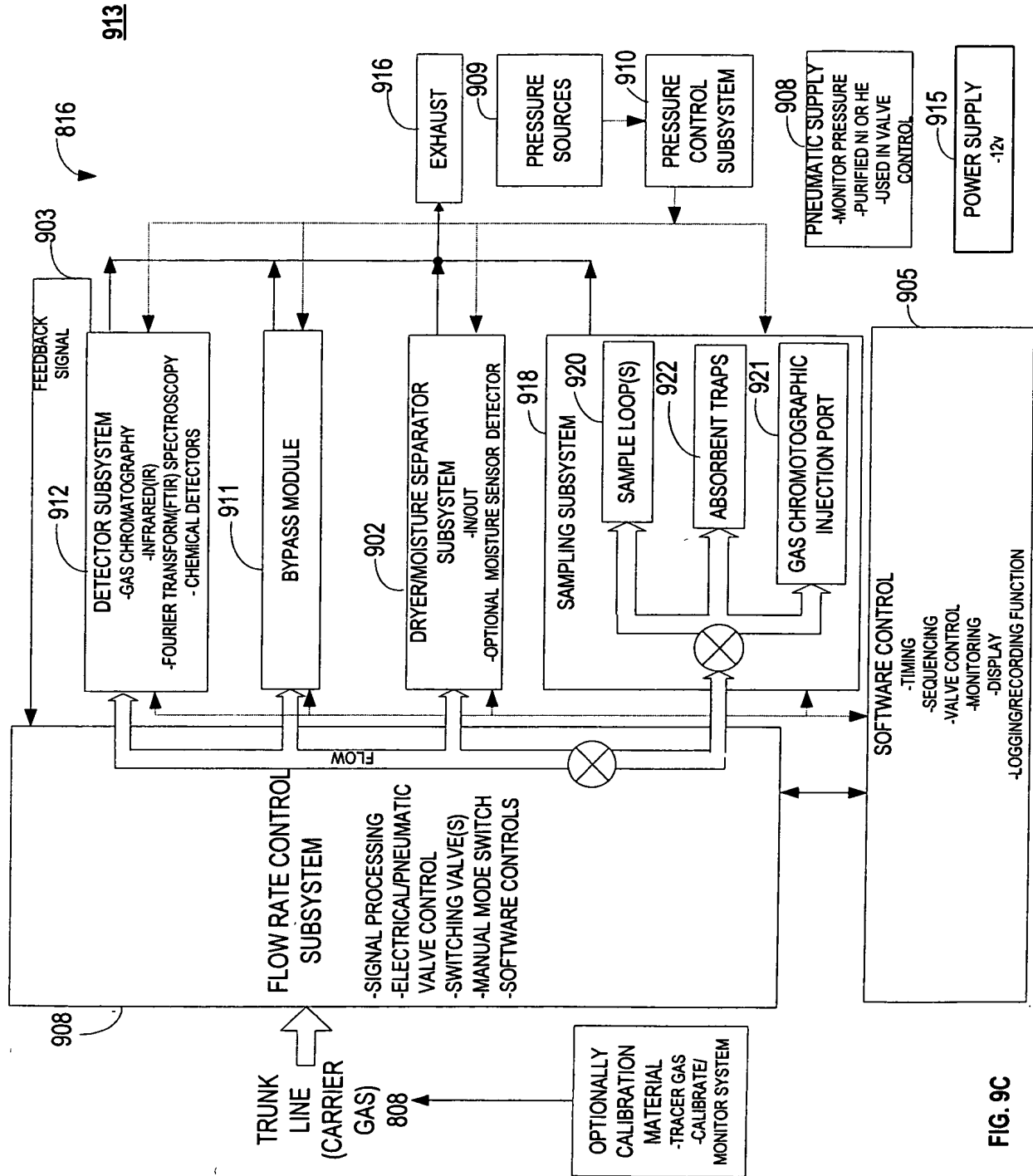
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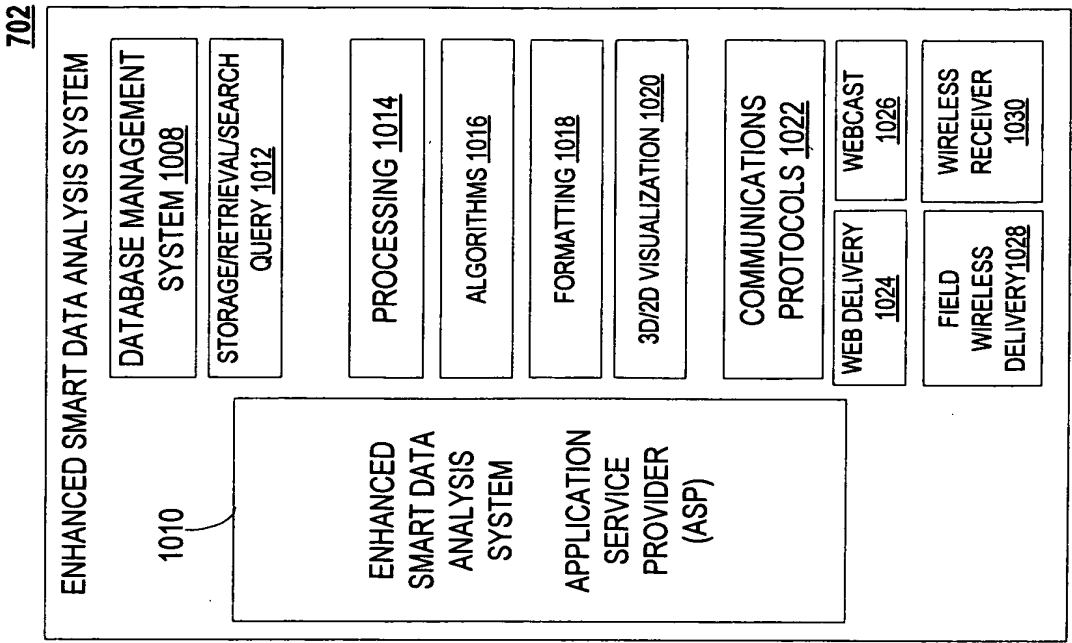


FIG. 10B

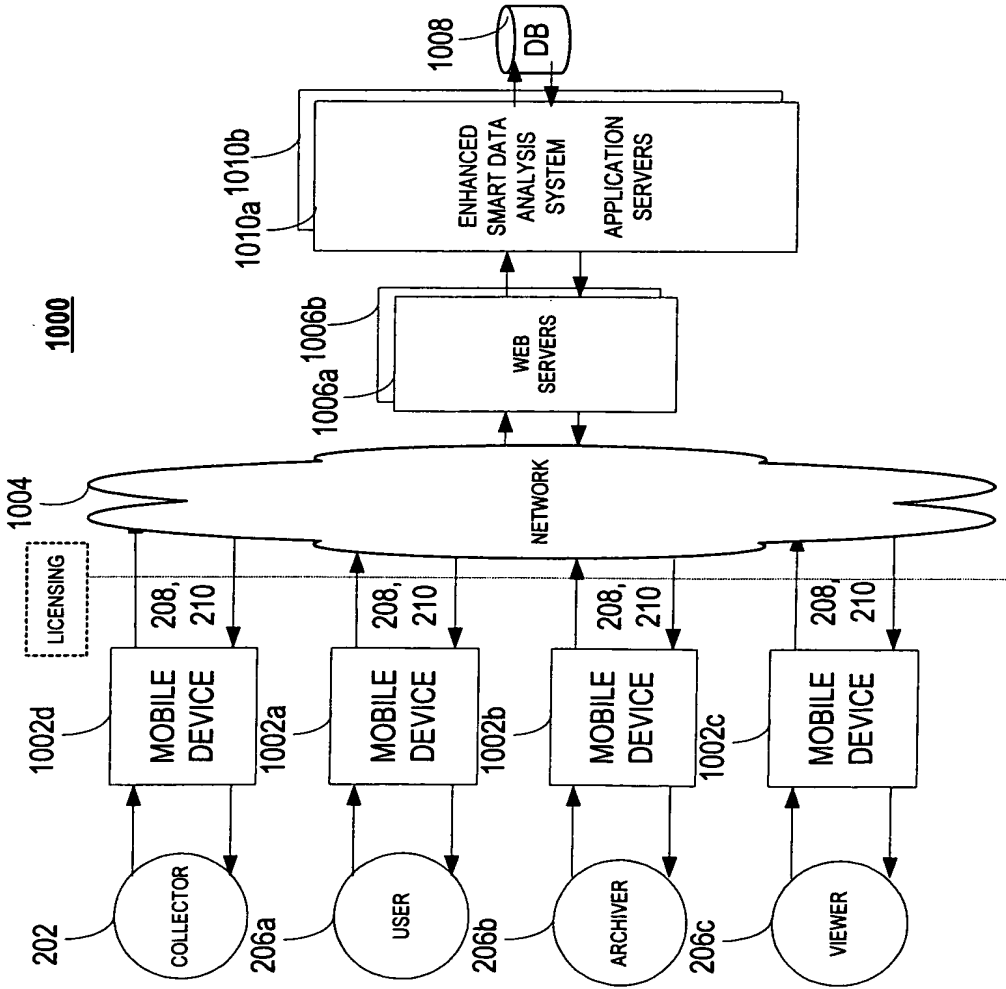


FIG. 10A

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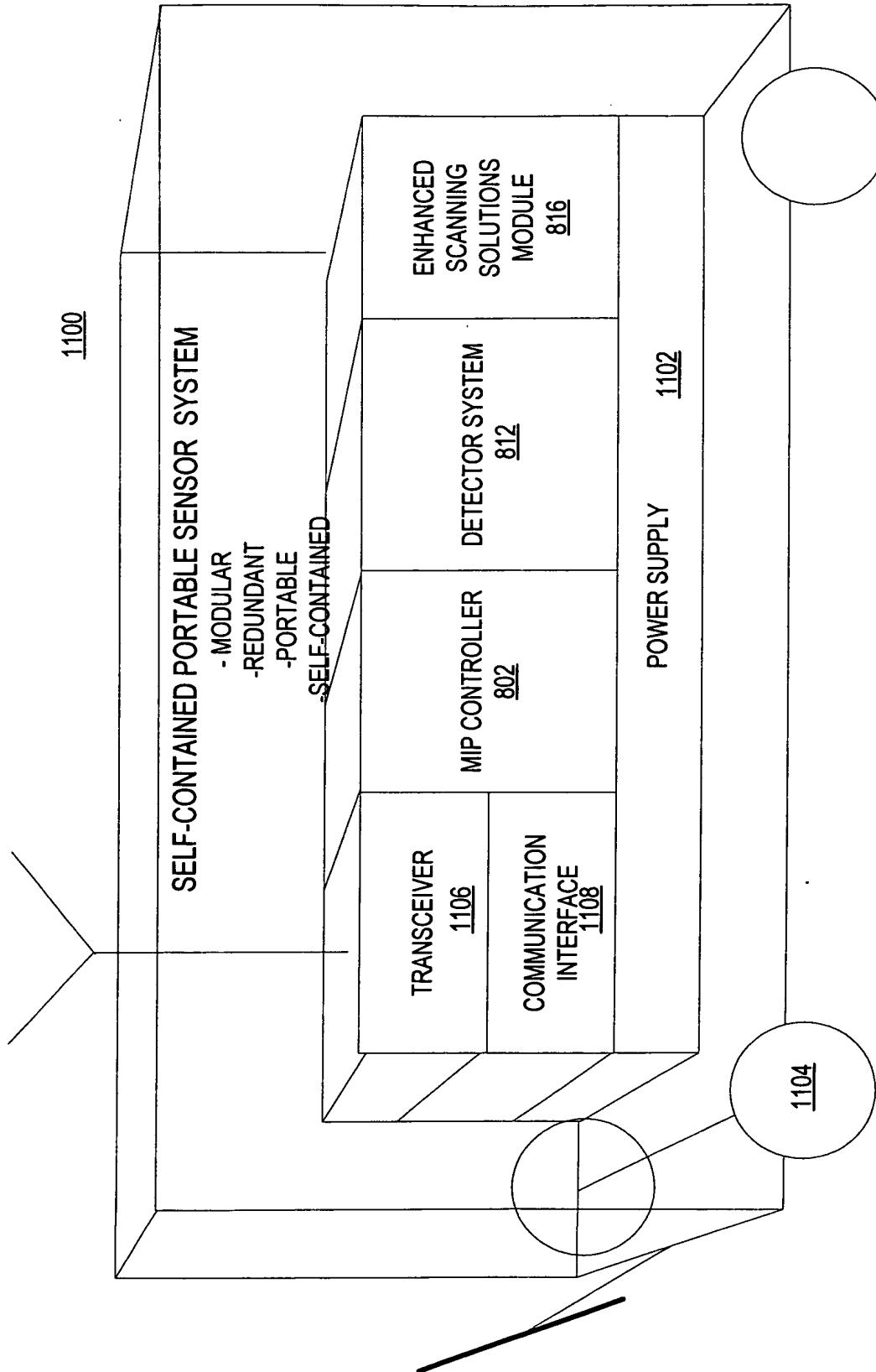


FIG. 11

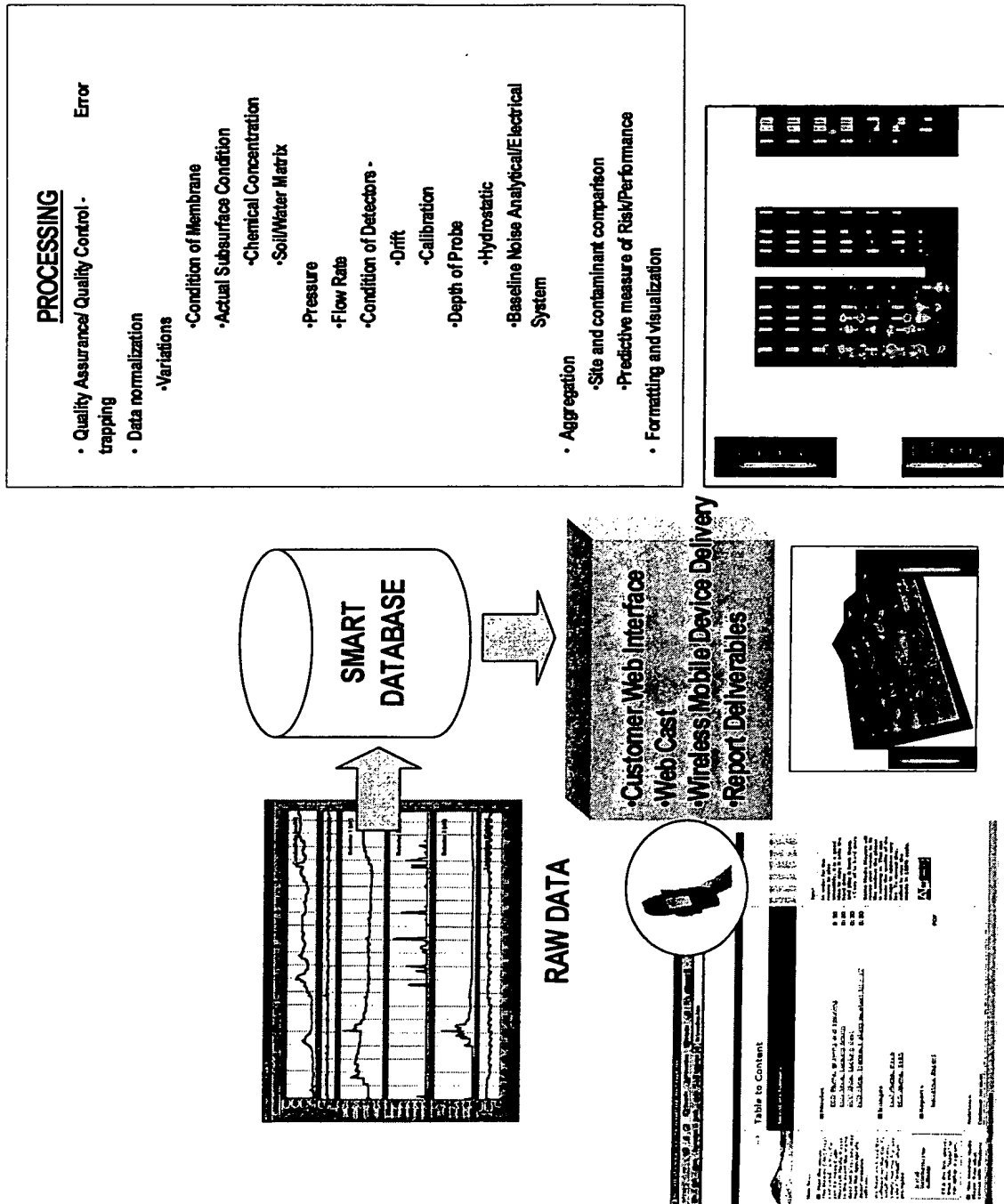
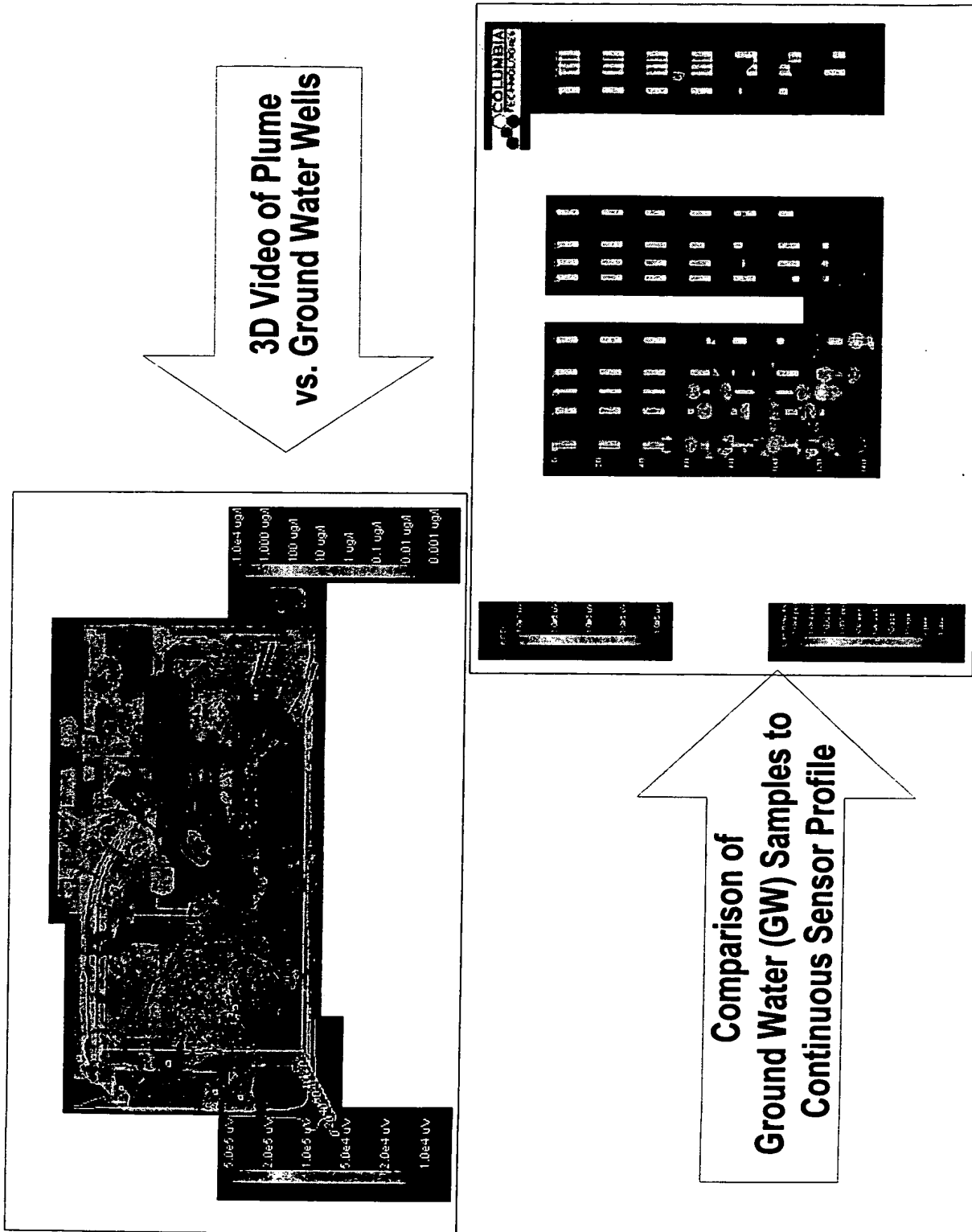


FIG. 12A

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FIG. 12C

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Manufacturing Facility



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Site Information

Manufacturing Facility
Savanna, GA
Project Dates

Started: 8/12/2002

Completed: 8/21/2002
Status

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run setup program.

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Resource

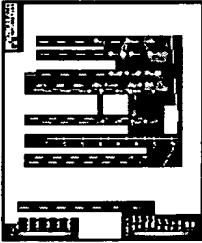
FIG. 12D

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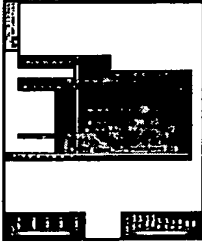
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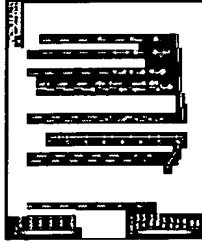
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FIG. 12E